

Re: WebEOC

From: Joe.Wright@ncdps.gov
To: Carla.Bissette@ncdps.gov
Sent: August 3, 2017 3:39:50 PM EDT
Received: August 3, 2017 3:39:50 PM EDT
Attachments: image001.png, image003.jpg

Have him load the resources in Resource Manager.

Joe G. Wright
Deputy Director
North Carolina
Emergency Management
336-380-5852
Sent from my iPhone

On Aug 3, 2017, at 3:29 PM, Bissette, Carla <Carla.Bissette@ncdps.gov> wrote:

Carla S. Bissette

WebEOC Administrator

carla.bissette@ncdps.gov

office-919-825-2357

mobile-252-206-6175

EOC 919-825-2401 or 919-825-2402

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From: Twyne, Donovan [donovan.twyne@ncdenr.gov]
Sent: Thursday, August 03, 2017 3:29 PM
To: Bissette, Carla
Subject: RE: WebEOC

Carla,

I know the power outage is almost fixed, but since I know how this works now, I'd like to let you know that we have boats and officers stationed on and all around Oregon Inlet and Hatteras Island if District 1 can be of any assistance to anyone.

Thanks,

Don

Donovan F Twyne

Captain, Northern District

North Carolina Marine Patrol

1021 Driftwood Drive

PO Box 1965

Manteo, NC 27954

(252) 473-1233

<image001.png>

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From: Bisette, Carla [mailto:Carla.Bisette@ncdps.gov]

Sent: Thursday, August 03, 2017 10:41 AM

To: Twyne, Donovan <donovan.twyne@ncdenr.gov>

Cc: Curtis, Dianne (NCEM) <Dianne.Curtis@ncdps.gov>

Subject: WebEOC

Good Morning!!

Your WebEOC account has been created.

The url is [REDACTED]

Your username is [REDACTED] and the temporary password is [REDACTED]

The first time you login you'll be prompted to update the password to something more secure.

Email me if you have any questions.

Carla S. Bisette

WebEOC Administrator

carla.bisette@ncdps.gov

office-919-825-2357

mobile-252-206-6175

EOC 919-825-2401 or 919-825-2402

<image003.jpg> <<http://www.readync.org/>>

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Attachment #1
image001.png
Image



Attachment #2

image003.jpg

Image

EMR-ISAC InfoGram 8/3: hazmat response to fentanyl; power outage tests resilience

From: emr-isac <emr-isac@service.govdelivery.com>
To: joe.wright@ncdps.gov
Sent: August 3, 2017 3:48:48 PM EDT
Received: August 3, 2017 3:49:17 PM EDT

Emergency Management and Response

Information Sharing and Analysis Center

(EMR-ISAC)

The EMR-ISAC InfoGram for August 3, 2017

<http://links.govdelivery.com:80/track?type=click&enid=ZWFzPTEmbWFpbGluZ2lkPTlwMTcwODAzLjc2NjMxNDAxJm1lc3NhZ2VpZD1NREltUFJELUJVTC0yMDE3MDgwMy43NjYzMTQwMSZkYXRhYmFzZWlkPTEwMDEmc2VyaWFsPTE3ODg5Mzg0JmVtYWlsaWQ9am9lLndyaWdodEBuY2Rwcy5nb3YmdXNlcmIkPWpvZS53cmInaHRAbmNkcHMuZ292JmZsPSZleHRyYT1NdWx0aXZhcmlhdGVJZD0mJiY=&&&100&&&https://content.govdelivery.com/attachments/USDH_SFACIR/2017/08/03/file_attachments/857281/August+3%2C+2017+InfoGram.pdf>contains the following articles:

1. Fentanyl, Carfentanil Prompting HazMat Response
2. Power Outage Tests Resilience of Outer Banks
3. Western States Revisit Cold War Nuclear Plans
4. Critical Incident Response Webinar

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E3ODg5Mzg0JmVtYWlSaWQ9am9lLndyaWdodEBuY2Rwcy5nb3YmdXNlcmkPWpvZS53cmInaHRAbmNkcHMuZ292JmZsPSZleHRYYT1NdWx0aXZhcmldGVJZD0mJiY=&&&102&&&http://www.dhs.gov/contact-fusion-centers>.

For information specifically affecting the private sector critical infrastructure, contact the National Infrastructure Coordinating Center (NICC) by telephone at 202-282-9201 or by e-mail at NICC@hq.dhs.gov <mailto:NICC@dhs.gov>.

When available, each report submitted should include the date, time, location, type of activity, number of people, equipment type used for the activity, the name of the submitting person and organization, and a designated point of contact.

• August+3%2C+2017+InfoGram.pdf

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DPS Report 08/04/2017

From: NCEOC@ncdps.gov
Sent: August 4, 2017 6:31:32 AM EDT
Received: August 4, 2017 6:31:34 AM EDT
Attachments: DPSReport08042017revised.pdf

Good Morning:

There were 6 events reported to the North Carolina Emergency Operations Center during the period of August 3, 2017 from 0001 to August 4, 2017 till 0001 hours. The events consisted of:

1

Complaint Event(s)

1

HazMat Event(s)

2

Other Event(s)

2

SAR Event(s)

ON-GOING SIGNIFICANT EVENTS

20170727 Outer Banks Power Outage

Lauren Smith

Emergency Management Officer / 24Hr Operations Center

North Carolina Emergency Management Division of

North Carolina Department of Public Safety

1636 Gold Star Drive

Raleigh, NC 27607

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Attachment #1

DPSReport08042017revised.pdf

Original view

1 page



North Carolina Department of Public Safety

Emergency Management

Roy Cooper, Governor
Erik A. Hooks, Secretary

Michael A. Sprayberry, Director

August 4, 2017

There were 6 events reported to the North Carolina Emergency Operations Center during the period of August 3, 2017 from 0001 to August 4, 2017 till 0001 hours. The events consisted of:

1 Complaint Event(s)

1 HazMat Event(s)

2 Other Event(s)

2 SAR Event(s)

Complaint Events

Orange County

A citizen reported a private dam was dangerous due to the banks of the dam caving in and several trees had started to fall. Local FD surveyed the area and no threat was found. Local EM will follow up with Town of Chapel Hill.

HazMat Events

Davidson County

Local EM reported an unknown amount of diesel fuel spilled into a creek from a motor vehicle accident. Local FD, SHP, EMS, and NCDOT responded to scene and applied booms. A state RRT mission was requested and approved. A contractor was contacted to conduct cleanup operations.

Other Events

Anson County

Local EM reported a water main that had a leak in it. The 24" main feeds a local hospital. There were water issues and plans were being made to have potable and non potable water on site for next Thursday when repairs will be made. No state resources were requested.

Rowan County

Local EM entered a report advising of an aircraft accident at the Rowan County Airport. No injuries or fatalities were reported. Damage to the aircraft resulted in a minor fuel leak. The Rowan County Sheriff's Office and local FD responded. The fuel leak was contained. No waterways were affected. A contractor was contacted to conduct cleanup operations.

SAR Events

Burke County

Burke County 911 reported a rescue for a climber that had fallen into the river at Linville Falls. Burke County Rescue Squad, EMS and Oakhill FD were involved in the rescue. No state resources were requested.

Haywood County

Local EM reported a SAR for a 28 year old female who was lost in the Shinning Rock Wilderness Area. Haywood County Sheriff's Office, EMS and Rescue Squad Search and Rescue team were involved in the search. No state resources were requested.

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Fax: (919) 825-2685

Human Services SERT partners in action during Outer Banks power outage

From: Abby.Cameron@ncdps.gov
To: Steve.Davis@ncdps.gov, Joe.Wright@ncdps.gov
Cc: Todd.Brown@ncdps.gov, mike.patterson@uss.salvationarmy.org, Wendy.Pulley@ncdps.gov
Sent: August 4, 2017 9:10:20 AM EDT
Received: August 4, 2017 9:10:22 AM EDT
Attachments: IMG_0274.JPG, IMG_0275.JPG

Gentlemen,

Just a quick note about some behind the scenes work done throughout the power outage event by my SERT partners.

Salvation Army- Out of their Washington, NC office, the Salvation Army was requested by the Hyde County Emergency Manager to assist citizens with crisis needs as well as canteen. The Salvation Army was quickly in place and provided food/drinks to citizens and support to local emergency officials. I have attached some pictures for your viewing pleasure.

DSS-The local DSS office was called by Hyde County, with the support of the state level DSS for helping to fill the gap of lost food for citizens who were current food stamp recipients.

Red Cross-The Red Cross will be making a donation to the local food bank on the Outer Banks to support families who still have food needs.

Abby Cameron

Human Services Program Manager

North Carolina Emergency Management

919-825-2327 Office

919-215-4954 Cell

Abby.cameron@ncdps.gov

Attachment #1
IMG_0274.JPG
Image



Attachment #2

IMG_0275.JPG

Image



DOT: TIMS - Special Alert Updated

From: tims notify <tims@ncdot.gov>
To: Undisclosed recipients
Sent: August 4, 2017 10:18:54 AM EDT
Received: August 4, 2017 10:19:50 AM EDT

The TIMS special Alert has been updated.

OUTER BANKS POWER OUTAGE

Visit darenc.com for the latest information.

Ferry service will return to normal on Friday, August 4th at 12 noon.

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FW: Electric Membership transmission outage update--Thursday, 4PM

From: Steve.Davis@ncdps.gov
To: Johnathan.Moon@ncdps.gov, Imani.West@ncdps.gov
Sent: August 4, 2017 11:55:49 AM EDT
Received: August 4, 2017 11:55:49 AM EDT

From: Davis, Steve
Sent: Thursday, July 27, 2017 5:48 PM
To: Mike Sprayberry; WRIGHT, Joe; DANIKSA, Mike
Cc: CURTIS, Dianne; BROWN, Todd; Weavil, Gregory; Johnson, Corey; DAVIS, Oscar; CAMERON, Abby; Barnes, Brian; Pulley, Wendy; Wendelgass, Tommy; Webster, Katie; Thomas, Diana; Kalbaugh, Kevin; DUNCAN, Russell; HOTCHKISS, Nelle; Rouse, Jay (jay.rouse@ncemcs.com); Payne-Hurley, Persia; POWERS, Steve; COOK, Mike; GARRETT, Steven; STACEY, Bobbitt
Subject: Electric Membership transmission outage update--Thursday, 4PM

Joe,

Here is the update, for Thursday afternoon, you requested on the Electric Membership Corp's transmission fault/outage along the Bonner Bridge in Dare County—

--Conference call (4PM) with NC Electric Membership Corp: Nelle Hotchkiss, Jay Rouse, and Lee Ragsdale, to provide update on transmission outage

--Transmission fault occurred July 27th, between 4AM and 4:30AM, along Bonner Bridge in Dare County—no known injuries

--Contractor repairing Bonner Bridge damaged EMC transmission cable—extent of damage unknown

--Transmission line generally provides 50 MW load to service area

--Service area from Bonner Bridge, at Oregon Inlet, to Cape Hatteras, to Ocracoke without power

--No estimate on customer without power restoration

--ETOR not possible until assessment from specialty restoration contractor

--Specialty restoration contractor crew expected to arrive today—ETOR by tomorrow

--EMC personnel from Raleigh deployed to operate permanent generation in Buxton and Ocracoke

--Cape Hatteras EMC micro grid power assets online

--Cape Hatteras backup generation will provide 18 MW (normal load 50MW) between Cape Hatteras and Ocracoke

--Curtailment and feeder rotation in effect upon load generation on Ocracoke—2 hours with power, 4 hours without power

--All units (5) operating at Buxton (12MW)

--Unit at Ocracoke online this morning but tripped off this afternoon due to mechanical issues

--Repair crew enroute or on scene to assess repair needs

--Micro grid batteries at Ocracoke helping to maintain load at Buxton

--Using micro grid to control and conserve energy consumption on Ocracoke

--Temporary generators expected to arrive tomorrow for Ocracoke load

--May be able to serve some load on Ocracoke, overnight, from Buxton

--Current priority is to get mobile generators to Hatteras—two generator units arrived, 3pm, today

--Engineers on scene to assist with repair of transmission line, and generation at Hatteras and Ocracoke

--Power for small appliances, television, and some indoor lighting

--Expect extended outage event—multiple days of service curtailment and feeder rotation

--Additional generation needed for Avon area

--Confirmed 2 2MW generator from Gregory Pool deployed to Avon

--Secured 11 generators—2 from Raleigh (arrived), 3 from SC, and 5 from FL

--Additional transformers and mobile substation unit provided to create micro grid on Hatteras and Ocracoke

--Working with NCEM and Division of Highways to secure permits for generator transport from FL

--Must coordinate passage of generators over Bonner Bridge with traffic control measures and direction from DOT engineer

--Electric Membership working with local emergency management to resolve and mitigate impact of outage—local emergency managers updated/conference call with local EMC at 11AM

--Best source of information for local emergency management is from local distribution cooperative

--No unmet needs identified by impacted counties

--Expect limited resource request from impacted counties—traffic control, waiver assistance

--Electric Membership Corp notified and update Governor's office of incident—provided NCEM update information since Governor's update

--Electric Membership Corporation responded to similar outage situations in area on previous occasions

--Additional update notes provided by Oscar Davis

--Event opened in SPARTA—20170727 Outer Banks Power Outage

--Scheduled 10AM, Friday, conference call for additional updates

Call me if you have questions, or need additional information.

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

Division of Emergency Management

1636 Gold Star Drive

4236 Mail Service Center

Raleigh, NC 27607-4236

(919) 825-2309, Office

(919) 825-2428, NC Emergency Operations Center

Steve.Davis@ncdps.gov

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RE: Hatteras Updates

From: Diana.Thomas@ncdps.gov
To: Steve.Davis@ncdps.gov
Sent: August 4, 2017 1:42:48 PM EDT
Received: August 4, 2017 1:42:49 PM EDT

I figured, but wanted to double check!

Thanks!

From: Davis, Steve
Sent: Friday, August 4, 2017 1:38 PM
To: Thomas, Diana <Diana.Thomas@ncdps.gov>
Cc: Webster, Katie <Katie.Webster@ncdps.gov>
Subject: RE: Hatteras Updates

Diana,

Hey. No more weather update for Hatteras power outage are needed. Power back on and reentry on to island started at noon. Thanks for supporting with weather updates the past two weeks.

Steve

From: Thomas, Diana
Sent: Friday, August 04, 2017 1:34 PM
To: Davis, Steve
Subject: Hatteras Updates

Hey Steve,

Will you be needing Hatteras weather updates through the weekend?

Thanks!

Diana

Diana Thomas

Meteorologist

NC Department of Public Safety

NC Emergency Management

1636 Gold Star Drive, JFHQ, Room 607

Raleigh, NC 27607

Office: (919) 825-2697

Diana.Thomas@ncdps.gov

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Power outage

To: Steve.Davis@ncdps.gov, Tommy.Wendelgass@ncdps.gov, Corey.Johnson@ncdps.gov, Mike.Daniska@ncdps.gov, Mike.Sprayberry@ncdps.gov, Joe.Wright@ncdps.gov, Brian.Parnell@ncdps.gov, Charles.Tripp@ncdps.gov, Oscar.Davis@ncdps.gov, EMGroupCommunityColleges@ncdps.gov, EMGroupEveryone@ncdps.gov, EMGroupLocalsCentral@ncdps.gov, EMGroupLocalsEastern@ncdps.gov, EMGroupLocalsWestern@ncdps.gov, EMGroupUniversities@ncdps.gov, phpr.nc@dhhs.nc.gov, ncwebeoc@listserv.unc.edu, Dianne.Curtis@ncdps.gov, Will.Polk@ncdps.gov, nelle.hotchkiss@ncemcs.com, jay.rouse@ncemcs.com, Carla.Bissette@ncdps.gov, Greg.Welker@ncdps.gov, Abby.Cameron@ncdps.gov, dmjohnson11@ncdot.gov, jlkellen@ncdot.gov, emcgraw@ncdot.gov, Davis,Steve, Kenneth.Waldroup@raleighnc.gov, Todd.Brown@ncdps.gov, cathy.brittingham@ncdenr.gov, Russell.duncan@ncdenr.gov, rebecca.sadosky@ncdenr.gov, robert.midgette@ncdenr.gov, jessica.godreau@ncdenr.gov, j Jessup@ncpga.org, [REDACTED], [REDACTED], Darryl.Aspey@dhs.gov, hapaul@ncdot.gov, Marilyn.Carrington@nccourts.org, Morgan.Naleimaile@nccourts.org, Clint.stone@ole.tsa.dhs.gov, ken.macdonald@dhs.gov, kmvollert@ncdot.gov, Shane.Cook@ncdenr.gov, bill.denton@ncdenr.gov, deborah.aja@ncdenr.gov, jason.watkins@ncdenr.gov, lexim@ncrma.org, elizabethr@ncrma.org, David.Tsai@duke-energy.com, Heather.Minter@duke-energy.com, Brian.Franklin@duke-energy.com, steve.lewis@ncdenr.gov, George.kangkolo@ncdenr.gov, mike.reid@ncdenr.gov, woodward@nctia.org, jedixon@ncdot.gov, pam.pekrun@dom.com, louis@nc811.org, kenneth.b.taylor@ncdenr.gov, janelle.M.Mavis@usace.army.mil, andrew.hammonds@ncdenr.gov, Robert.Mielish@hq.dhs.gov, 'tony.gallagher@ncdenr.gov', tmontanez@ncdot.gov, clarice.wilson@electricities.com, mega.dashbold@ncdenr.gov, yasharif@ncdenr.gov, boyd.devane@ncdenr.gov, erica.robinson@ncdenr.gov, daniel.kang@ncdenr.gov, rdsmock1@ncdot.gov, drtim@ncdot.gov, McGowanD@api.org, Nolan.Fry@raleighnc.gov, [REDACTED], MJCarroll@uspis.gov, Jason.Waters@raleighnc.gov, eric.hatcher@cfpua.org, johnnyspencer@tyrrellcounty.net, Anna.Hamlett@williams.com, Star.Hodge@ncdenr.gov, kwells@ncdot.gov, Cameron, Abby, Howard, John, Donny-Steele-Nicholson, Mary K., Patterson, Mike, Stocks, Lee, Dixon, Carlotta, Johnny Spencer, Kim.Nicole@epa.gov, Undisclosed recipients, Wendy.Pulley@ncdps.gov, Brian.Barnes@ncdps.gov, Charles.Laird@ncdps.gov, Chris.Bailey@ncdps.gov, Justin.Graney@ncdps.gov, Seth.Russell@ncdps.gov, Chris.Tant@ncdps.gov, ncc@hq.dhs.gov, GUNTERA@ECU.EDU, yale.wedig@lyrasis.org, jpomeroy@cfl.rr.com, [REDACTED], Johnathan.Moon@ncdps.gov, Imani.West@ncdps.gov, Diana.Thomas@ncdps.gov

Cc: Todd.Brown@ncdps.gov, Joe.Wright@ncdps.gov, Mike.Sprayberry@ncdps.gov, Mike.Daniska@ncdps.gov, Brian.Falconer@ncdps.gov, Dianne.Curtis@ncdps.gov, Katie.Webster@ncdps.gov, Gregory.Weavil@ncdps.gov, Glenn.Wisbey@ncdps.gov, Brian.Barnes@ncdps.gov, Corey.Johnson@ncdps.gov, Steve.Davis@ncdps.gov, Tommy.Wendelgass@ncdps.gov, Oscar.Davis@ncdps.gov, Abby.Cameron@ncdps.gov, Wendy.Pulley@ncdps.gov, Diana.Thomas@ncdps.gov, Kevin.Kalbaugh@ncdps.gov, Russell.duncan@ncdenr.gov, nelle.hotchkiss@ncemcs.com, jay.rouse@ncemcs.com, Persia.Payne-Hurley@ncdps.gov, Steve.Powers@ncdps.gov, Mike.Cook@ncdps.gov, Steve.Garrett@ncdps.gov, Stacey.Bobbitt@ncdps.gov, Rouse, Jay, Brian.Parnell@ncdps.gov, Kenneth.Waldroup@raleighnc.gov, jedixon@ncdot.gov, emcgraw@ncdot.gov, lee.ragsdale@ncemcs.com, Darryl.Aspey@dhs.gov, jlkellen@ncdot.gov, dmjohnson11@ncdot.gov, David.Tsai@duke-energy.com, Brian.Franklin@duke-energy.com, pam.pekrun@dom.com, clarice.wilson@electricities.com, Chris.Tant@ncdps.gov, Carla.Bissette@ncdps.gov, johnnyspencer@tyrrellcounty.net, louis@nc811.org, Jason.Waters@raleighnc.gov, Nolan.Fry@raleighnc.gov, Greg.Welker@ncdps.gov, mike.patterson@uss.salvationarmy.org

Sent: July 27, 2017 11:36:35 AM EDT

Received: July 27, 2017 11:36:36 AM EDT

Transmission issue Coop's Outer Banks

From: Steve.Davis@ncdps.gov
To: Todd.Brown@ncdps.gov
Cc: Oscar.Davis@ncdps.gov, Tommy.Wendelgass@ncdps.gov
Sent: July 27, 2017 10:08:45 AM EDT
Received: July 27, 2017 10:08:45 AM EDT

Todd,

Hey. FYI...may have a power issue with the Coop's transmission to Pea Island and Hatteras Island. Still assessing situation, but no power on islands. Could be a major issue going into the afternoon and evening. Calling Nelle for a second update about 11AM. Already informed Joe and other functional leads. Will keep you updated.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

Division of Emergency Management

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(919) 825-2428, NC Emergency Operations Center

Steve.Davis@ncdps.gov

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Re: Transmission issue Coop's Outer Banks

From: Todd.Brown@ncdps.gov
To: Steve.Davis@ncdps.gov
Cc: Oscar.Davis@ncdps.gov, Tommy.Wendelgass@ncdps.gov
Sent: July 27, 2017 10:09:19 AM EDT
Received: July 27, 2017 10:09:20 AM EDT
Attachments: image003.png

Acknowledged

Todd Brown
Deputy Operations Chief
NC Emergency Management

Sent from handheld device, please excuse the brevity.

On Jul 27, 2017, at 10:08 AM, Davis, Steve <Steve.Davis@ncdps.gov> wrote:

Todd,

Hey. FYI...may have a power issue with the Coop's transmission to Pea Island and Hatteras Island. Still assessing situation, but no power on islands. Could be a major issue going into the afternoon and evening. Calling Nelle for a second update about 11AM. Already informed Joe and other functional leads. Will keep you updated.

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Steve

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Conference call with EM on transmission issue.

From: Steve.Davis@ncdps.gov
To: nelle.hotchkiss@ncemcs.com
Sent: July 27, 2017 10:41:56 AM EDT
Received: July 27, 2017 10:41:57 AM EDT

Nelle,

Hey. Thanks. Here is the number—919 715-1909 at 11AM.

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

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Re: WebEOC Event

From: Todd.Brown@ncdps.gov
To: Steve.Davis@ncdps.gov
Cc: Chris.Tant@ncdps.gov
Sent: July 27, 2017 12:23:08 PM EDT
Received: July 27, 2017 12:23:09 PM EDT

This needs to go through joe

Todd Brown
Deputy Operations Chief
NC Emergency Management

Sent from handheld device, please excuse the brevity.

On Jul 27, 2017, at 12:18 PM, Davis,Steve <Steve.Davis@ncdps.gov> wrote:

Chris,

Hey. We may have a few request from the counties impacted. Probably traffic control or some sheltering (because of heat) issues. May also need a oversize/overweight waiver for the generators to cross bridge and travel highway. So a WebEOC event maybe a good idea.

Thanks,

Steve

From: Tant, Chris
Sent: Thursday, July 27, 2017 12:16 PM
To: Davis,Steve
Subject: WebEOC Event

Any thoughts on creating a WebEOC event

Sent from my Verizon, Samsung Galaxy smartphone

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Re: WebEOC Event

From: Todd.Brown@ncdps.gov
To: Steve.Davis@ncdps.gov
Sent: July 27, 2017 12:40:03 PM EDT
Received: July 27, 2017 12:40:05 PM EDT

Copy

Todd Brown
Deputy Operations Chief
NC Emergency Management

Sent from handheld device, please excuse the brevity.

On Jul 27, 2017, at 12:25 PM, Davis, Steve <Steve.Davis@ncdps.gov> wrote:

Todd,

Hey. Think Chris is working on approval for the event.

Thanks,

Steve

From: Tant, Chris
Sent: Thursday, July 27, 2017 12:22 PM
To: Davis, Steve
Subject: RE: WebEOC Event

Ok sir I will get it approved and send it out

Chris

From: Davis, Steve
Sent: Thursday, July 27, 2017 12:19 PM
To: Tant, Chris
Cc: Brown, Todd
Subject: RE: WebEOC Event

Chris,

Hey. We may have a few request from the counties impacted. Probably traffic control or some sheltering (because of heat) issues. May also need a oversize/overweight waiver for the generators to cross bridge and travel highway. So a WebEOC event maybe a good idea.

Thanks,

Steve

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To: Davis, Steve

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NCElectric Co-ops Hatteras/Ocracoke

From: Rouse, Jay <jay.rouse@ncemcs.com>
To: Davis, Steve <Steve.Davis@ncdps.gov>
Cc: Hotchkiss, Nelle <nelle.hotchkiss@ncemcs.com>
Sent: July 27, 2017 1:44:29 PM EDT
Received: July 27, 2017 1:44:49 PM EDT

Steve,

I just talked to Scott Lundy at Gregory Poole in Raleigh who we are working with to secure Mobile Generation for Cape Hatteras EMC and Tideland EMC. There are #3 2MW generators from NC and #3 2MW generators from SC that I am told are rolling toward Hatteras. The hauling companies have acquired DOT permits (overweight). I am told the tractor and trailer combination are approximately 95-100K lbs. Given that these units are rolling, will going across the Bonner Bridge be any issue? Can you check out/work that out with DOT?

Second, Gregory Poole says there are #5 - 2MW Mobile Generators with same specifications in St. Augustine, Fla awaiting pickup by Hauling Companies. I am told that getting out of Florida is not a problem but getting permits from the states of NC and SC for the loads are an issue. I am told that because DOT has not been notified of an Emergency the permit are not being issues. Ga permits were not mentioned as a problem at this time but we it could come up latter. For now, Can Emergency Management facilitate the issuance of the necessary permits in North and South Carolina? Facing a 14 hour drive, we would like to get those generators rolling.

Call me if you have any questions?

Jay

Jay Rouse

Director of Government Affairs

NC Association of Electric Cooperatives

Office 919-875-3074/Cell 919 210 6080

jay.rouse@ncemcs.com

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FW: Updated notes from NCEMC transmission outage conference call

From: Steve.Davis@ncdps.gov
To: Will.Polk@ncdps.gov
Sent: July 27, 2017 2:32:19 PM EDT
Received: July 27, 2017 2:32:20 PM EDT

From: Davis, Steve
Sent: Thursday, July 27, 2017 1:17 PM
To: WRIGHT, Joe; Mike Sprayberry; DANIKSA, Mike; BROWN, Todd; HOTCHKISS, Nelle; Rouse, Jay (jay.rouse@ncemcs.com)
Cc: DAVIS, Oscar; Wendelgass, Tommy; TANT, Chris; Johnson, Corey; Webster, Katie; Weavil, Gregory; DUNCAN, Russell; CURTIS, Dianne
Subject: Updated notes from NCEMC transmission outage conference call

Joe,

Here is the update you requested on the NC Electric Membership Corp's transmission fault/outage along the old Bonner Bridge in Dare County—

--Conference call with NC Electric Membership Corp: Nelle Hotchkiss, Jay Rouse, and Lee Ragsdale, to provide update on transmission outage event

--Transmission line fault occurred July 27th, at 4AM, along old Bonner Bridge in Dare County—no known injuries

--Transmission line general provides 50 MW load to service area

--Service area from Bonner Bridge, at Oregon Inlet, to Cape Hatteras to Ocracoke Island without power

--No estimate on customer without power restoration

--ETOR not possible until assessment from specialty restoration contractor—no ETA for repair crew

--Cape Hatteras EMC bringing microgrid power assets online—step-by-step process to prevent additional load failure

--Cape Hatteras backup generation will provide 18 MW (normal load 50MW)

--Curtailment and feeder rotation in effect for Ocracoke—2 hours with power, 4 hours without power

--Power for small appliances, television, and some indoor lighting

--Expect an extended outage event—multiple days of service curtailment and feeder rotation

--Additional generation needed for Avon area

--Confirmed 2 2MW generator from Gregory Pool deployed to Avon

--Electric Membership working with local emergency management to resolve and mitigate impact of outage—local emergency managers updated/conference call with local EMC at 11AM

--Expect limited resource request from impacted counties—traffic control, waiver assistance

--Electric Membership Corp notified and update Governor's office of incident—provided NCEM update information since Governor's update

--Electric Membership Corporation responded to similar outage situations in area on previous occasions

--Additional update notes provided by Oscar Davis

--Scheduled 4PM conference call for additional update

Call me if you have questions, or need additional information.

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

Division of Emergency Management

1636 Gold Star Drive

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FW: Updated notes from NCEMC transmission outage conference call

From: Steve.Davis@ncdps.gov
To: Abby.Cameron@ncdps.gov, Wendy.Pulley@ncdps.gov
Sent: July 27, 2017 2:36:15 PM EDT
Received: July 27, 2017 2:36:17 PM EDT

From: Davis, Steve
Sent: Thursday, July 27, 2017 1:17 PM
To: WRIGHT, Joe; Mike Sprayberry; DANIKSA, Mike; BROWN, Todd; HOTCHKISS, Nelle; Rouse, Jay (jay.rouse@ncemcs.com)
Cc: DAVIS, Oscar; Wendelgass, Tommy; TANT, Chris; Johnson, Corey; Webster, Katie; Weavil, Gregory; DUNCAN, Russell; CURTIS, Dianne
Subject: Updated notes from NCEMC transmission outage conference call

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Re: Hyde County Sitrep (Ocracoke Island)

From: Hotchkiss, Nelle <nelle.hotchkiss@ncemcs.com>
To: Davis, Steve <Steve.Davis@ncdps.gov>
Cc: Rouse, Jay <jay.rouse@ncemcs.com>, Brown, Todd <Todd.Brown@ncdps.gov>, Davis, Oscar <Oscar.Davis@ncdps.gov>, Wendelgass, Tommy <Tommy.Wendelgass@ncdps.gov>
Sent: July 27, 2017 3:54:07 PM EDT
Received: July 27, 2017 3:54:36 PM EDT
Attachments: image003.png

Yes. Will update you in 6 minutes.

Sent from my iPad

On Jul 27, 2017, at 3:51 PM, Davis, Steve <Steve.Davis@ncdps.gov> wrote:

Please exercise caution, this is an EXTERNAL email. Be vigilant opening attachments or clicking links from unknown senders or unexpected emails. Please contact the ServiceDesk if you need assistance.

Nelle,

Hey. Here is a portion of the sitrep from Hyde County (Ocracoke Island) posted in SPARTA this afternoon. Is this part of the Buxton generation we discussed this morning?

Power Outages:

Entire Island without power with a current population to include residents and visitors: approximately 12,000

Island fixed generator sustained damage while operating and is now inoperable. Crews from Rocky Mount are en-route to assess the generator for repairs. Additional mobile generators are being mobilized by electric company with a 24-36 hour arrival.

DPR light towers have been placed on stand-by to provide lighting for safety and security.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

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Steve.Davis@ncdps.gov

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<image003.png> <https://urldefense.proofpoint.com/v2/url?u=http-3A__www.readync.org_&d=DwMFAG&c=WL3MMrLyVWdTUFt6ms3Ptg&r=IUzWXeIGz5rDi8xJ-DiQJporXlZvezn5ADpKmxY55Ho&m=1vlyZ6L44JLB675SPacnywxsgHVLmMNjWlnJVrnIOBk&s=PzKTFLj1CNeEalmFY6CO8lp7EM8S-86h_HOMJd0az3k&e=>

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<County SitRep Hyde County 07272017 .pdf>

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RE: Hyde County Sitrep (Ocracoke Island)

From: Steve.Davis@ncdps.gov
To: nelle.hotchkiss@ncemcs.com
Sent: July 27, 2017 3:55:13 PM EDT
Received: July 27, 2017 3:55:13 PM EDT

Nelle,

OK. Thanks.

Steve

From: Hotchkiss, Nelle [mailto:nelle.hotchkiss@ncemcs.com]
Sent: Thursday, July 27, 2017 3:54 PM
To: Davis, Steve
Cc: Rouse, Jay; Brown, Todd; Davis, Oscar; Wendelgass, Tommy
Subject: Re: Hyde County Sitrep (Ocracoke Island)

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Steve

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<image003.png> <https://urldefense.proofpoint.com/v2/url?u=http-3A__www.readync.org_&d=DwMFAG&c=WL3MMrLyVWdTUFt6ms3Ptg&r=IUzWXeIGz5rDi8xJ-DiQJporXlzvezn5ADpKmxY55Ho&m=1vlyZ6L44JLB675SPacnywxsgHVLmMNjWlnJVrnIOBk&s=PzKTFLj1CNeEalmFY6CO8lp7EM8S-86h_HOMJd0az3k&e=>

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NOTAM for Hyde County

From: Steve.Davis@ncdps.gov
To: kmvollert@ncdot.gov, Clint.Stone@tsa.dhs.gov
Cc: Oscar.Davis@ncdps.gov, Tommy.Wendelgass@ncdps.gov,
Todd.Brown@ncdps.gov, Stacey.Bobbitt@ncdps.gov
Sent: July 28, 2017 11:57:55 AM EDT
Received: July 28, 2017 11:57:57 AM EDT
Attachments: NOTAM_Hyde county.pdf

Kathy,

Hey. FYI...NOTAM for Hyde County (see SPARTA sig event #170136, attached.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

Division of Emergency Management

1636 Gold Star Drive

4236 Mail Service Center

Raleigh, NC 27607-4236

(919) 825-2309, Office

(919) 825-2428, NC Emergency Operations Center

Steve.Davis@ncdps.gov

ncdps.gov <<http://www.ncdps.gov/>>

<<http://www.readync.org/>>

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www.readync.org <<http://www.readync.org/>>

E-mail correspondence sent to and from this address may be subject to the provisions of G.S. 132-1, the North Carolina Public Records Law, and may be subject to monitoring and disclosed to third parties, including law enforcement personnel, by an authorized state official.

Attachment #1

NOTAM_Hyde county.pdf

Original view

1 page

Significant Event Form

Requester Information

Name
Justin.Gibbs

Initial Date/Time
07/28/2017 11:38

Agency

Priority
Low

<input checked="" type="radio"/> Emergency Services	<input type="radio"/> Human Services	<input checked="" type="radio"/> Infrastructure	<input type="radio"/> Plans	<input type="radio"/> BEOC
<div>- ESF 4 - Firefighting</div> <div>- ESF 8 - Public/Medical Health</div> <div>- ESF 9 - Search and Rescue</div> <div>- ESF 10 - Oil/Hazardous Materials</div> <div>- ESF 13 - Public Safety</div>	<div>- ESF 6 - Mass Care/Temp Housing</div> <div>- ESF 6 - Feeding</div> <div>- ESF 11 - Agriculture/Animals</div>	<div>- ESF 1 - Transportation</div> <div>- ESF 2 - Communications</div> <div>- ESF 3 - Public Works</div> <div>- ESF 12 - Energy</div>	<div>- ESF 5 - Press Release</div> <div>- ESF 5 - Proclamation</div> <div>- ESF 5 - States of Emergency</div> <div>- ESF 5 - Situtation Reports</div>	<div>- Private Sector</div> <div>- Other</div>

Description

A NOTAM is in place for the Ocracoke Airport to enforce the entry/re-entry restrictions and priorities issued by the County of Hyde. Hopefully, this will allow access for critical supplies and personnel to reach Ocracoke supporting the ongoing emergency operations.

File Attachments (PDFs are preferred format for documents.)

Browse...

No file selected.

Filename:

Browse...

No file selected.

Filename:

Browse...

No file selected.

Filename:

FW: NOTAM for Hyde County

From: Steve.Davis@ncdps.gov
To: Darryl.Aspey@dhs.gov
Sent: July 28, 2017 12:07:34 PM EDT
Received: July 28, 2017 12:07:36 PM EDT
Attachments: NOTAM_Hyde county.pdf

FYI...

From: Davis, Steve
Sent: Friday, July 28, 2017 11:58 AM
To: Vollert, Kathy M (kmvollert@ncdot.gov); Stone, Clint 32 (Clint.Stone@tsa.dhs.gov)
Cc: DAVIS, Oscar; Wendelgass, Tommy; BROWN, Todd; STACEY, Bobbitt
Subject: NOTAM for Hyde County

Kathy,

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Attachment #1

NOTAM_Hyde county.pdf

Original view

1 page

Significant Event Form

Requester Information

Name
Justin.Gibbs

Initial Date/Time
07/28/2017 11:38

Agency

Priority
Low

<input checked="" type="radio"/> Emergency Services	<input type="radio"/> Human Services	<input checked="" type="radio"/> Infrastructure	<input type="radio"/> Plans	<input type="radio"/> BEOC
<div>- ESF 4 - Firefighting</div> <div>- ESF 8 - Public/Medical Health</div> <div>- ESF 9 - Search and Rescue</div> <div>- ESF 10 - Oil/Hazardous Materials</div> <div>- ESF 13 - Public Safety</div>	<div>- ESF 6 - Mass Care/Temp Housing</div> <div>- ESF 6 - Feeding</div> <div>- ESF 11 - Agriculture/Animals</div>	<div>- ESF 1 - Transportation</div> <div>- ESF 2 - Communications</div> <div>- ESF 3 - Public Works</div> <div>- ESF 12 - Energy</div>	<div>- ESF 5 - Press Release</div> <div>- ESF 5 - Proclamation</div> <div>- ESF 5 - States of Emergency</div> <div>- ESF 5 - Situtation Reports</div>	<div>- Private Sector</div> <div>- Other</div>

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Browse...

No file selected.

Filename:

Browse...

No file selected.

Filename:

Browse...

No file selected.

Filename:

RE: NOTAM for Hyde County

From: Aspey, Darryl <darryl.aspey@HQ.DHS.GOV>
To: Davis, Steve <Steve.Davis@ncdps.gov>
Sent: July 28, 2017 1:02:41 PM EDT
Received: July 28, 2017 1:02:58 PM EDT

Steve,

Thank you for sharing the information. As always you are on top of the event!

Regards,

Darryl

Darryl Aspey

Protective Security Advisor

U.S. Department of Homeland Security

North Carolina District

919-208-7448

From: Davis, Steve [mailto:Steve.Davis@ncdps.gov]
Sent: Friday, July 28, 2017 12:08 PM
To: Aspey, Darryl
Subject: FW: NOTAM for Hyde County

FYI...

From: Davis, Steve
Sent: Friday, July 28, 2017 11:58 AM
To: Vollert, Kathy M (kmvollert@ncdot.gov); Stone, Clint 32 (Clint.Stone@tsa.dhs.gov)
Cc: DAVIS, Oscar; Wendelgass, Tommy; BROWN, Todd; STACEY, Bobbitt
Subject: NOTAM for Hyde County

Kathy,

Hey. FYI...NOTAM for Hyde County (see SPARTA sig event #170136, attached.

Thanks,

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FW: Generators for Hatteras Island and Ocracoke Island

From: Steve.Davis@ncdps.gov
To: Darryl.Aspey@dhs.gov
Sent: July 28, 2017 1:04:51 PM EDT
Received: July 28, 2017 1:04:51 PM EDT
Attachments: XQ2000-2009.pdf

FYI...

From: Davis, Steve
Sent: Friday, July 28, 2017 1:03 PM
To: WRIGHT, Joe; Mike Sprayberry; BROWN, Todd; DANIKSA, Mike; POLK, Will
Cc: DAVIS, Oscar; Wendelgass, Tommy; Rouse, Jay (jay.rouse@ncemcs.com)
Subject: Generators for Hatteras Island and Ocracoke Island

Joe,

Here is the information on the generators for Tideland EMC and Cape Hatteras EMC you requested this morning.

Specs for all generators attached—

Hatteras Island (9 (2MW) generators onsite or enroute)—Cape Hatteras EMC

--2 (2 MW) generators installed and running on Thursday, 7/27

--5 (2 MW) generators onsite and expected to be installed and running by Friday, 7/28

--2 (2 MW) generators enroute to Hatteras Island (in South Carolina as of 10AM), expected date of installation unknown

Ocracoke Island (2 (2MW) generators and 1 (1MW) generator onsite or enroute)—Tideland EMC

--1 (1MW) generator installed on Thursday, 7/27—offline for 7-to-10 days for repair

--2 (2MW) generators enroute and expected to be installed and running by Friday, 7/28

--Public health and safety operations expected to remain functional throughout extended outage period

--Ferry Division to transported 2 (2MW) generators to Ocracoke Island this afternoon, by 3PM

--Dare County, Hyde County, Tideland EMC, Cape Hatteras EMC, and Ferry Division expect no issues with fuel delivery or distribution to impact temporary generation on Hatteras Island or Ocracoke Island

--Dare County or Division of Highways expect no issues with weight or size of generators impacting delivery of generators over Bonner Bridge enroute to Hatteras Island

--Expect service curtailment and feeder rotation on Hatteras Island and Ocracoke Island from temporary generation throughout extended outage period

Call me if you have questions, or need additional information.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

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Attachment #1

XQ2000-2009.pdf

Original view

10 pages (displayed on pages 48 to 57)



Image shown may not reflect actual package

STANDBY 2000 kW PRIME 1825 kW POWER MODULE 50/60 Hz

Frequency	Voltage	Standby kW (kVA)	Prime kW (kVA)
60	480/277V	2000 (2500)	1825 (2281)
50	400V	1440 (1800)	1310 (1638)

FEATURES

EPA TIER 2 and CARB certified for non-road mobile applications. Factory designed, certified prototype tested with torsional analysis. Production tested and delivered in a package that is ready to be connected to your fuel and power lines. Supported 100% by your Caterpillar® dealer with warranty on parts and labor. Extended warranty available in some areas. The generator set is designed and manufactured in an ISO 9001:2000 compliant facility. Generator set and components meet or exceed the following specifications: AS1359, AS2789, ABGSM TM3, BS4999, DIN6271, DIN6280, EGSA101P, JEM1359, IEC 34/1, ISO3046/1, ISO8528, NEMA MG1-22

CATERPILLAR SR4B GENERATOR

Single bearing, wye-connected, static regulated, brushless permanent magnet excited generator designed to match the performance and output characteristics of the Caterpillar diesel engine driving it.

RELIABLE, FUEL EFFICIENT DIESEL ENGINE

The compact, four-stroke-cycle diesel engine combines durability with minimum weight while providing dependability and economy. The fuel system operates on a variety of fuels.

CATERPILLAR COOLING SYSTEM

Sized compatible to rating with energy efficient fan and core.

CATERPILLAR SWITCHGEAR

Provides single unit and/or multi-unit/utility paralleling components. Standby, load sense/load demand, import, export, and base load modes. Comes standard with Basler Utility Multi-function Relay IPS-100.

EXCLUSIVE CATERPILLAR DIGITAL VOLTAGE REGULATOR (CDVR)

Three-phase sensing and adjustable Volts-per-Hertz regulation give precise control, excellent block loading, and constant voltage in the normal operating range.

ENVIRONMENTALLY FRIENDLY

110% spill containment of onboard engine fluids.

SOUND ATTENUATED CONTAINER

For ease of transportation and protection. Meets 75 dB(A) at 50 ft or below per SAE J1074 measurement procedure at 110% prime load.

FACTORY INSTALLED STANDARD EQUIPMENT

SYSTEM	STANDARD EQUIPMENT
Engine	EPA approved Tier 2 3516C Caterpillar engine Heavy duty air cleaner with service indicator 60-Amp charging alternator Fuel filters – primary and duplex secondary with integral water separator and change-over valve Lubricating oil system with spin-on, full flow oil filters and water cooled oil cooler Oil drain lines routed to engine rail Jacket water heater Fuel cooler and priming pump Electronic ADEM™ A3 controls 24V electric starting motors with battery rack and cables
Generator	SR-4B brushless, permanent magnet excited, three-phase with Caterpillar digital voltage regulator (CDVR), space heater, 6-lead design, Class H insulation operating at Class F temperature for extended life, winding temperature detectors and anti-condensation space heaters (120/240V 1.2 kW)
Containerized Module	40' ISO high cube container, CSC certified 3-axle, 40' ISO container chassis Seven (7) sound attenuated air intake louvers and 4 lockable personnel doors with panic release Side bus bar access door, external access load connection bus bars Shore power connection via distribution block connections for jacket water heater, battery charger, space heaters, and generator condensate heaters Standard lighting 3 AC/4 DC, one (1) single duplex service receptacle, 2 external break-glass emergency stop push buttons 1,250 gal fuel tank, UL listed, double wall, 9 hr runtime @ prime rating Sound attenuated 75 dB(A) @ 50 ft Spill containment 110% of all engine fluids Four (4) oversized maintenance-free batteries, battery rack and 20-Amp battery charger Hospital grade, internally insulated, rectangular exhaust silencer with vertical discharge Vibration isolators, corrosion resistant hardware and hinges External drain access to standard fluids Fire extinguishers (Qty 2) Standard Cat rental decals and painted standard Cat power module white Interior walls and ceilings insulated with 100 mm of acoustic paneling Floor of container insulated with acoustic glass and covered with galvanized steel
Cooling	Standard cooling provides 43° C ambient capability (60 Hz) at prime +10% rating Vertically mounted, separate ATAAC and JW cores with vertical air discharge
Generator Paralleling Control	Custom switchgear control with EMCP 3.3 genset mounted controller and wall mounted paralleling controls Automatic start/stop with cool down timer Protections: 25, 27/59, 40, 32, 81 O/U Utility multi-function relay protections: 25,27/59, 32, 47, 50/51, 62, 67, 81 O/U UMR is IEEE1547-2003 compliant in most applications Reverse compatibility module provided for interface to legacy power modules Touch screen controls with event log Multi-mode operation (island, multi-island and utility parallel), load sharing (multi-unit only) Import & export control (utility parallel only), manual and automatic paralleling capability Touch screen display (status and alarms) Metering display: voltage, current, frequency, power factor, kW, WHM, kVAR, and synchroscope
Quality	Standard genset and package factory tested UL, NEMA, ISO and IEEE standards O&M manuals

SPECIFICATIONS

CAT SR4B GENERATOR

Frame Size 825
 Pitch 0.6667
 No. of poles 4
 Excitation Static regulated brushless PM excited
 Constructions Single bearing, close coupled
 Insulation Class H
 Enclosure Drip proof IP22
 Alignment Pilot shaft
 Overspeed capability – % of rated 125% of rated
 Voltage regulator 3 phase sensing with Volts-per-Hertz
 Voltage regulation Less than $\pm \frac{1}{2}\%$ voltage gain
 Adjustable to compensate for engine speed droop and line loss
 Wave form deviation Less than 5% deviation
 Telephone Influence Factor (TIF) Less than 50
 Harmonic Distortion (THD) Less than 5%

CAT 3516C DIESEL ENGINE

3516C, 4-Stroke diesel
 Bore – mm (in) 170 (6.7)
 Stroke – mm (in) 190 (7.5)
 Displacement – L (cu in) 69 (4,210)
 Compression ratio 15:1
 Aspiration ATAAC
 Fuel system EUI
 Governor type Caterpillar ADEM™ A3 Control System

TECHNICAL DATA

Materials and specifications are subject to change without notice.

Generator Set Technical Data		50 Hz		60 Hz	
	Units	Prime	Standby	Prime	Standby
Performance Specification		DM8754		DM8264	
Power Rating	kW (kVA)	1310 (1637)	1440 (1800)	1825 (2281)	2000 (2500)
Lubricating System					
Oil pan capacity	L (gal)	401.3 (106)		401.3 (106)	
Fuel System					
Fuel Consumption					
100% load	L (gal)	350.1 (92.5)	372.9 (98.5)	483.2 (127.6)	525.7 (138.9)
75% load	L (gal)	281.9 (74.5)	302.8 (80)	380 (100.4)	408.2 (107.8)
50% load	L (gal)	205.5 (54.3)	350.1 (92.4)	270.5 (71.5)	294.2 (77.7)
Fuel tank capacity	L (gal)	4731 (1,250)		4731 (1,250)	
Running time @ 75% rating	Hours	16.7	15.6	12.5	11.5
Cooling System					
Radiator coolant capacity including engine	L (gal)	630 (166)		630 (166)	
Air Requirements					
Combustion air flow	m³/min (cfm)	114.8 (4052)	118.1 (4173)	174.7 (6169)	180.3 (6367)
Maximum air cleaner restriction	kPa (in H ₂ O)	6.2 (24.9)		6.2 (24.9)	
Generator cooling air	m³/min (cfm)	140 (5,933)		168 (4,995)	
Exhaust System					
Exhaust flow at rated kW	m³/min (cfm)	311.3 (10,993)	320.8 (11,335)	404 (14,260)	428.6 (15,137)
Exhaust stack temperature at rated kW – dry exhaust	°C (°F)	502.1 (935.8)	513.1 (955.6)	387 (728)	405 (762)
Noise Rating (with enclosure)					
@ 7 meters (23 feet)	dB(A)	77	78	78	79
@ 15 meters (50 feet)	dB(A)	73	74	74	75

Model	Length mm (in)	Width mm (in)	Height mm (in)	Weight	
				With Lube Oil and Coolant kg (lb)	With Fuel, Lube Oil and Coolant kg (lb)
XQ2000 w/o Chassis	12 192 (480)	2438 (96)	2896 (114)	34 019 (75,000)	38 102 (84,000)
XQ2000 w/Chassis	12 192 (480)	2438 (96)	4267 (168)	38 102 (84,000)	42 184 (93,000)

RATING DEFINITIONS

Standby – Applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The generator on the generator set is peak prime rated (as defined in ISO8528-3) at 30° C (86° F).

Prime – Applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and the generator set can supply 10% overload power for 1 hour in 12 hours.

STANDARD FEATURES

GENERATOR SET EMCP 3.3 LOCAL CONTROL PANEL

- Generator mounted EMCP 3.3 provides power metering, protective relaying and engine and generator control and monitoring.
- Provides MODBUS datalink to paralleling control for monitoring of engine parameters.
- Convenient service access for Caterpillar service tools (not included).
- Integration with the CDVR provides enhanced system monitoring.
- Ability to view and reset diagnostics of all controls networked on J1939 datalink.
- Network modules via the control panel removes the need for a separate service tool for troubleshooting.
- Real-time clock allows for date and time stamping of diagnostics and events.

EMCP 3.3 ENGINE OPERATOR INTERFACE

- Graphical display with positive image, transfective LCD, adjustable white backlight/contrast.
- Two LED status indicators (1 red, 1 amber).
- Three engine control keys and status indicators (Run/Auto/Stop).
- Lamp test key.
- Alarm acknowledgement key.
- Display navigation keys.
- Two shortcut keys: Engine Operating Parameters and Generator Operating Parameters.
- Fuel level monitoring and control.

CIRCUIT BREAKER

- 3000A fixed type, 3 poles, genset mounted, electrically operated, insulated case circuit breaker.
- Solid state trip unit for overload (time overcurrent) and fault (instantaneous) overcurrent protection.
- Includes DC shunt trip coil activated on any monitored engine or electrical fault, 100 KA-interrupting capacity at 480 VAC.

VOLTAGE REGULATION AND POWER FACTOR CONTROL CIRCUITRY

- Generator mounted automatic voltage regulator, microprocessor based.
- Manual raise/lower voltage adjust capability and VAR/power factor control circuitry for maintaining constant generator power factor while paralleled with the utility.
- Includes RFI suppression, exciter limiter and exciter diode monitoring.
- Voltage and power factor adjustments are performed on the setting screen of the HMI touch screen.

FUEL TANK

- UL Listed 1250 gallon double walled.
- Fuel transfer system

CURRENT TRANSFORMERS

- CT's rated 3000:5 with secondaries wired to shorting terminal strips.

POTENTIAL TRANSFORMERS

- 4:1 ratio with primary and secondary fuse protection.

BUS BARS

- Three phase, plus full rated neutral, bus bars are tin-plated copper with NEMA standard hole pattern for connection of customer load cables and generator cables.
- Bus bars are sized for full load capacity of the generator set at 0.8 power factor.
- Includes ground bus, tin-plated copper, for connection to the generator frame ground and field ground cable.

AC DISTRIBUTION

- Provides 240 VAC for all module accessories.
- Includes controls to de-energize jacket water heaters and generator space heater when the engine is running.

SHORE POWER TWO (2)

- One (1) shore power connection distribution block for jacket water heaters.
- One (1) for generator space, battery charger, and fuel pump.

INTERNAL LIGHTING

- Four (4) internal DC lights with one (1) timer and two switches installed at each side of the container door.
- Three (3) internal AC lights.
- One (1) single duplex service receptacle.

BATTERY CHARGER AND BATTERIES

- 24 VDC/20A battery charger with float/equalize modes and charging ammeter.
- Maintenance free batteries.

EMERGENCY STOP PUSHBUTTON

- Two external ESPs located near each access door.

MODES OF OPERATION

Caterpillar utility paralleling controls are intended for automatic or manual paralleling with a utility power source as a load management system, with provisions for standby operation feeding an isolated load network. Load management operation involves microprocessor-based automatic loading controls with soft loading, base load, Import/Export control and soft unloading. For Standby operation, the generator operates as an isochronous machine isolated from the utility supply. The controls allow for automatic operation, initiated locally or remotely by the customer's SCADA system. Detailed modes of operation are listed below:

SINGLE UNIT ISLAND AND MULTI-UNIT ISLAND OPERATION

1. Utility Standby Mode (Normal)
 - a. The utility is providing power for the plant loads.
 - b. The Power Module Generator breaker is open.
 - c. The pm is in automatic standby mode to respond to a utility failure.
2. Emergency Mode (Emergency)
 - a. Utility Failure
 - 1) The customer protective relaying senses a utility abnormal condition.
 - 2) A run request is sent to the Power Module Generator plant.
 - 3) The first Power Module Generator reach rated to voltage and frequency is closed to the bus.
 - 4) In Multi-Unit Island Mode, the remaining Power Module Generators are paralleled to the bus as they reach rated voltage and frequency. This function is performed via the ModBus Plus data link connected between the Power Modules.
 - 5) Plant load is transferred to the Power Modules, which share load equally via ModBus Plus data link.
 - 6) The system is now in Emergency Mode.

GENERATOR DEMAND PRIORITY CONTROL

The System Controls include a Generator Demand Priority Control function to automatically match the on-line Power Module Generator capacity to the loads in order to avoid unnecessary operation of all the Power Module Generators when the plant loads are low.

The following controls are provided for each Power Module Generator:

- a. User-settable Generator Priority Selector
- b. Status indicator for the Generator Priority selected
- c. Status indicator for Power Module Generator on-line or off-line
- d. Generator Demand Priority Control Switch (On/Off)
- e. User-settable Generator Remove Level (% as a function of single generator capacity)
- f. User-settable Generator Remove Time Delay
- g. User-settable Generator Add Level (% as a function of single generator capacity)
- h. User-settable Generator Add Time Delay

Upon entrance into Emergency Mode, all generators will be started and paralleled to the bus. After the Remove Time Delay, Power Module Generators will be removed from the bus as a function of the generator percentage loading. Generators will be removed from the bus in descending priority order.

Should the generator percentage loading increase to the user-selected Generator Add Level after the user-selected Generator Add Time Delay, the next priority generator will be started, synchronized and paralleled to the bus. Should the Power Module Generator plant ever reach 100% loading, the next priority generator will be started and added to the bus, bypassing the Generator Add Time Delay.

MODES OF OPERATION (continued)

SINGLE UNIT IMPORT, EXPORT OR BASE LOAD OPERATION

During periods of peak demand the system may be placed in operation using the operator interface panel on the front of the switchgear.

1. Entry – Local

- a. The operator places the System Control Switch into Load Management.
- b. The operator selects Import, Export or Base Load Operation.
- c. The Load Management Setpoint is the amount of power Imported, Exported or Base-Loaded. A 4-12-20mA signal is provided by the customer and is linearly proportional to the utility load, with 12mA equaling 0 kW. The 4-12-20mA utility load signal is wired to one and only one Power Module. If the Power Module selected for Load Management is not available, the 4-12-20mA signal will be routed to a different Power Module.
- d. The operator sets the Load Management Setpoint and Power Factor Setpoint.
- e. A Run request signal is received by the Single Unit Power Module.
- f. The Power Module Generator is started and will run for a predetermined warm-up time before it is synchronized and paralleled to the utility.

- g. When the generator is on the bus, it is soft-ramp-loaded until the generator output reaches the Load Management Setpoint.
 - h. The generator output is dynamically adjusted to maintain the Load Management Setpoint.
 - i. Should the utility fail during Load Management Operation, the Protective Relay will cause the Paralleling Circuit Breaker 52G to open and be locked out until the Lockout Relay is manually reset by an operator on site. The generator is allowed to run for the duration of the cooldown time.
- #### 2. Exit – Local
- a. The Run Request signal is removed from the power module.
 - b. The generator is soft-ramp-unloaded until the plant load is fully supported by the utility.
 - c. The Paralleling Circuit Breaker 52G is opened.
 - d. The generator is allowed to run for the duration of the cooldown time.

STANDARD PARALLELING CONTROL

GENERATOR PARALLELING CONTROLS

The switchgear includes:

- Single unit island mode.
- Multiple unit island mode.
 - Includes Load Sense/Load Demand control.
 - Load sharing capability is provided via network communication.
- Single unit utility parallel mode.
 - Selectable for Import/Export control.
 - If import or export control is selected a 4-12-20mA signal is required (provided by others) scalable to the utility contribution.
- 6 inch black and white HMI touch screen.
- Reverse compatibility module provided for interface to legacy designed Power Module Switchgear. Includes PLC, load share and voltage droop.

Incoming Utility Breaker Status Circuit – Circuit to accept customers contact from remote utility disconnect device. Customer to provide a normally open form 'a' contact to indicate when the local load network is connected to the utility grid.

Utility Transfer Trip Circuit – Circuit accepts input (normally open dry contact) from customer's system protective relay(s) or other controlling device. Operation of contacts causes tripping of the generator circuit breaker via the generator (software) 86 lock-out function and places the engine in cooldown mode. Circuit is disabled when operating in single unit or multiple unit island.

GENERATOR PARALLELING CONTROLS OPERATOR INTERFACE

Graphical mimic one line diagram that shows generator with its respective circuit breaker in a one-line representation of the system. The graphics utilize black and white indicators and bar graphs while actively displaying the following information:

- Utility CB Open/Closed. Input contacts provided by others.
- Utility kW 4-12-20mA signal required and provided by customer that is scalable to the utility contribution.
- Generator CB Open/Closed/Tripped.
- Generator Volts/Amps/kW/Frequency.
- Engine Stopped/Running/Cooldown/Pre-Alarm/Shutdown.
- Engine ECS Position Stop/Auto/Run.
- Utility Output kW.
- System Summary Alarm.

Event logging is also included with up to 500 stored events.

GENERATOR METERING AND PROTECTION

Generator metering that will graphically display 3Ø Voltage, 3Ø Current, Frequency, Power Factor, kW, kVAR and a Synchroscope Display of EMCP 3.3 faults, CDVR or ADEM 3 will be provided via Modbus RTU interface to EMCP 3.3.

Generator/Intertie Protective Relaying including:

- Device 27/59 – Under/Over Voltage.
- Device 81O/U – Under/Over Frequency.
- Device 40 – Loss of Excitation.
- Device 32 – Reverse Power.
- Device 25 – Synchronizing Check.
- Device 15 – Auto Synchronizer.
- Device 65 – Governor Load Sharing, Soft Loading Control.
- Device 90 – VAR/PF and Cross Current Compensation Controller.

PROGRAMMING AND DIAGNOSTICS

Includes field programmable set points for engine control and monitoring variables and self-diagnosis of the EMCP 3.3 system component and wiring failures.

ENGINE CONTROL SWITCH

Keypad selectable, four (4) positions – Off, Auto, Man, Cool:

- Off for engine shutdown and resetting faults.
- Auto for local or remote automatic operation when initiated by switch operation or contact closure.
- Man for local starting and manual paralleling.
- Cool for normal engine shutdown with timed cool-down cycle.

CIRCUIT BREAKER CONTROL SWITCH

Heavy duty, three- (3) position spring return to center with momentary trip and close position and slip contacts for automatic closing. Includes circuit breaker position indicating lamps.

EMERGENCY STOP PUSHBUTTON

- Mushroom head, twist to reset, causes engine shutdown and tripping of the generator circuit breaker. Prevents engine starting when depressed.

STANDARD PARALLELING CONTROL (continued)

ELECTRONIC LOAD SHARING GOVERNOR

- Includes speed adjustment, and auto load share capability when in parallel with legacy power modules.

ALARM MODULE

- Dedicates annunciator screens for warning and shutdown faults. Includes external mounted horn and acknowledge push-button.

AUTOMATIC/MANUAL PARALLELING

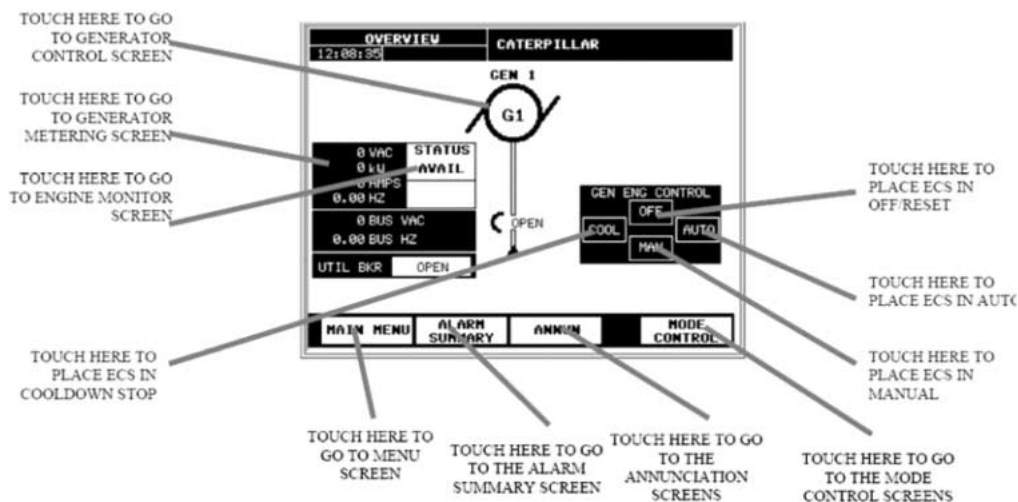
- Automatically synchronizes and parallels the generator with another power source.
- Includes provisions for manual permissive paralleling.

HUMAN MACHINE INTERFACE (HMI) HIGHLIGHTS

- Engine/Generator function is performed thru the 6" HMI touch screen interface.

Overview Screen (Typical)

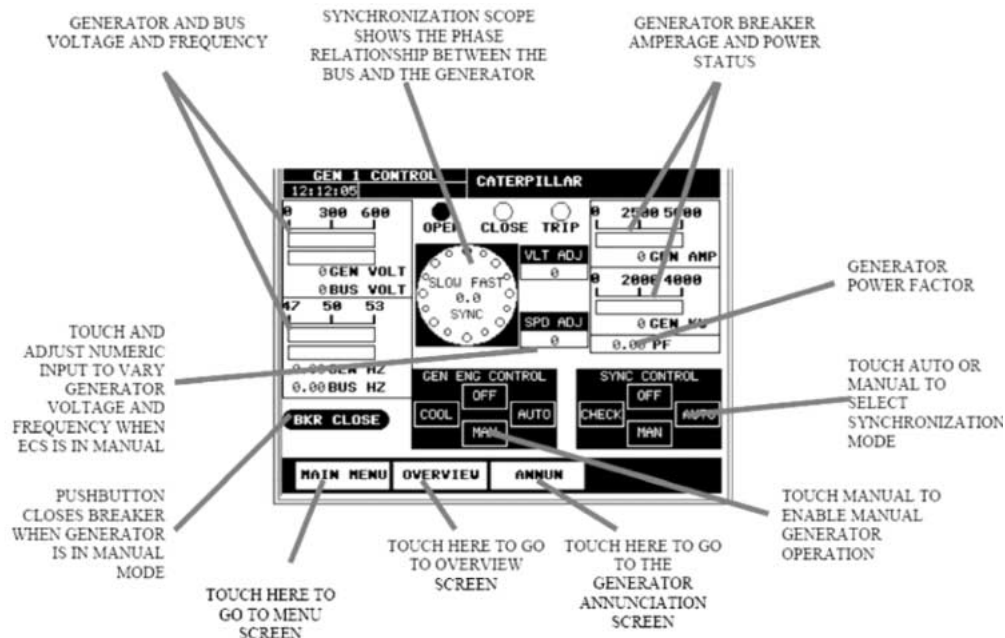
Shows the generator status, generator metering data, bus metering data, ECS position, and generator/utility breaker status.



STANDARD PARALLELING CONTROL (continued)

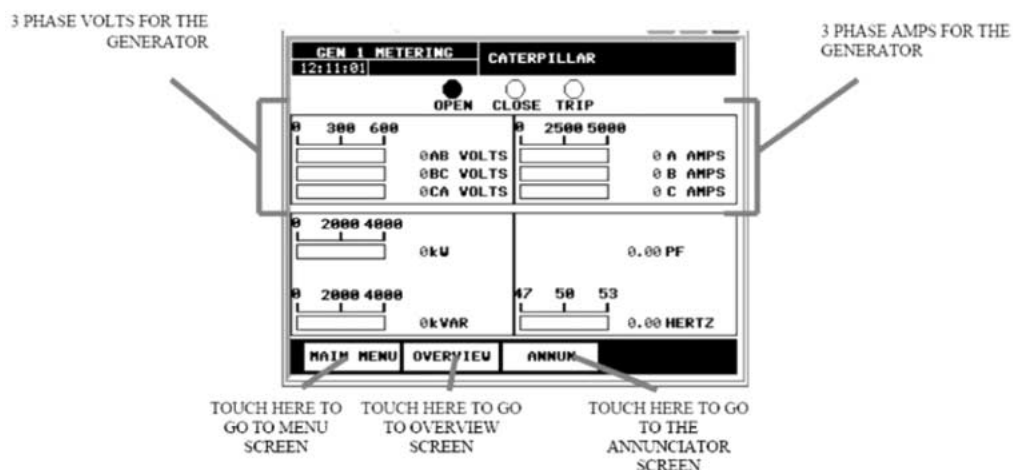
Generator Control Screen (Typical)

It allows the operator to observe the automatic synchronization and transfer of the load to and from the generator. Engine control allows the operator to run the engine in manual, or switch to automatic modes. Voltage and frequency offset adjustment allows the operator to control generator frequency and voltage.



Generator Metering Screen (Typical)

Allows the operator to view three phases of voltage and amperage for the bus and the generator.



STANDARD PARALLELING CONTROL (continued)

Engine Monitoring Screen (Typical)

Engine status is obtained directly from the EMCP 3. Engine starts and total hours can be used by the operator to determine when regular preventive maintenance is required. Other metering includes engine battery and oil filter health.

EMCP 3.3 ENGINE DATA

GEN 1 ENG MONITOR		CATERPILLAR	
15:42:12			
ENGINE OIL PRESSURE	0	kPa	▲
ENGINE COOLANT TEMP	0	C	▼
BATTERY VOLTS	0.0	VOLTS	
ENGINE RPM	0	RPM	
ENGINE HOURS	0	HOUR	
AUTOMATIC START			
NUMBER OF CRANK ATTEMPTS	0		
NUMBER OF SUCCESS STARTS	0		
EXHAUST MANIFOLD 1 TEMP	0	C	
EXHAUST MANIFOLD 2 TEMP	0	C	
ENGINE OIL TEMPERATURE	0	C	
MAIN MENU		OVERVIEW	
TOUCH HERE TO GO TO MENU SCREEN		TOUCH HERE TO GO TO OVERVIEW SCREEN	

GEN 1 ENG MONITOR		CATERPILLAR	
15:44:23			
CRANKCASE PRESSURE	0	kPa	▲
BOOST PRESSURE	0	kPa	▼
AIR FILTER DIFFERENTIAL	0	kPa	
TOTAL FUEL CONSUMPTION	0	L	
INSTANTANEOUS FUEL CONSUMPTION	0	L	
ATMOSPHERIC PRESSURE	0	kPa	
ENGINE OPERATING MODE	STOP		
ENGINE STATUS	NOT READY TO GO		
FUEL PRESSURE	0	kPa	
OIL FILTER DIFF PRESS	0	kPa	
FUEL FILTER DIFF PRESS	0	kPa	
MAIN MENU		OVERVIEW	
TOUCH HERE TO VIEW ADDITIONAL ENGINE DATA		TOUCH HERE TO VIEW ADDITIONAL ENGINE DATA	

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RE: Generators for Hatteras Island and Ocracoke Island

From: Aspey, Darryl <darryl.aspey@HQ.DHS.GOV>
To: Davis, Steve <Steve.Davis@ncdps.gov>
Sent: July 28, 2017 1:06:45 PM EDT
Received: July 28, 2017 1:07:15 PM EDT

This is great, thanks again!

Regards,

Darryl

From: Davis, Steve [mailto:Steve.Davis@ncdps.gov]
Sent: Friday, July 28, 2017 1:05 PM
To: Aspey, Darryl
Subject: FW: Generators for Hatteras Island and Ocracoke Island

FYI...

From: Davis, Steve
Sent: Friday, July 28, 2017 1:03 PM
To: WRIGHT, Joe; Mike Sprayberry; BROWN, Todd; DANIKSA, Mike; POLK, Will
Cc: DAVIS, Oscar; Wendelgass, Tommy; Rouse, Jay (jay.rouse@ncemcs.com)
Subject: Generators for Hatteras Island and Ocracoke Island

Joe,

Here is the information on the generators for Tideland EMC and Cape Hatteras EMC you requested this morning.

Specs for all generators attached—

Hatteras Island (9 (2MW) generators onsite or enroute)—Cape Hatteras EMC

--2 (2 MW) generators installed and running on Thursday, 7/27

--5 (2 MW) generators onsite and expected to be installed and running by Friday, 7/28

--2 (2 MW) generators enroute to Hatteras Island (in South Carolina as of 10AM), expected date of installation unknown

Ocracoke Island (2 (2MW) generators and 1 (1MW) generator onsite or enroute)—Tideland EMC

--1 (1MW) generator installed on Thursday, 7/27—offline for 7-to-10 days for repair

--2 (2MW) generators enroute and expected to be installed and running by Friday, 7/28

--Public health and safety operations expected to remain functional throughout extended outage period

--Ferry Division to transported 2 (2MW) generators to Ocracoke Island this afternoon, by 3PM

--Dare County, Hyde County, Tideland EMC, Cape Hatteras EMC, and Ferry Division expect no issues with fuel delivery or distribution to impact temporary generation on Hatteras Island or Ocracoke Island

--Dare County or Division of Highways expect no issues with weight or size of generators impacting delivery of generators over Bonner Bridge enroute to Hatteras Island

--Expect service curtailment and feeder rotation on Hatteras Island and Ocracoke Island from temporary generation throughout extended outage period

Call me if you have questions, or need additional information.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

Division of Emergency Management

1636 Gold Star Drive

4236 Mail Service Center

Raleigh, NC 27607-4236

(919) 825-2309, Office

(919) 825-2428, NC Emergency Operations Center

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RE: NOTAM for Hyde County

From: Vollert, Kathy M <kmvollert@ncdot.gov>
To: Davis, Steve (NCEM) <Steve.Davis@ncdps.gov>, Stone, Clint 32 (Clint.Stone@tsa.dhs.gov) <Clint.Stone@tsa.dhs.gov>, Stone, Clint 32 (Clint.Stone@tsa.dhs.gov) <Clint.Stone@tsa.dhs.gov>
Cc: Davis, Oscar (NCEM) <Oscar.Davis@ncdps.gov>, Wendelgass, Tommy (ncem) <tommy.wendelgass@ncdps.gov>, Brown, Todd (NCEM) <Todd.Brown@ncdps.gov>, Bobbitt, Stacey (NCEM) <Stacey.Bobbitt@ncdps.gov>
Sent: July 28, 2017 2:14:46 PM EDT
Received: July 28, 2017 2:15:01 PM EDT
Attachments: image2017-07-28-131717.pdf

Thanks Steve.

I spoke with the Airport Project Manager in our office that has that area. The Park Service initiated the NOTAM and notes the airport is closed to transients.

Attached is a copy of the NOTA posted on the FAA site.

kmv

Kathryn M Vollert, PE

Aviation Program Engineer

Division of Aviation

919 814 0571 office

kmvollert@ncdot.gov

1050 Meridian Drive

Morrisville, NC 27560

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<<https://twitter.com/NCaviation>> <<https://www.instagram.com/ncaviation/>>

From: Davis, Steve [mailto:Steve.Davis@ncdps.gov]
Sent: Friday, July 28, 2017 11:58 AM
To: Vollert, Kathy M; Stone, Clint 32 (Clint.Stone@tsa.dhs.gov)
Cc: Davis, Oscar (NCEM); Wendelgass, Tommy (ncem); Brown, Todd (NCEM); Bobbitt, Stacey (NCEM)
Subject: NOTAM for Hyde County

Kathy,

Hey. FYI...NOTAM for Hyde County (see SPARTA sig event #170136, attached.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

Division of Emergency Management

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Attachment #1

image2017-07-28-131717.pdf

Original view

1 page

Ocracoke Island (createNotamPdf?
download=true&transactionid=47077713)

[Back to Results](#)

Facility: **W95**

NOTAM #: **07/349**

Class: **Aerodrome**

Start Date UTC: **07/28/2017 1246**

End Date UTC: **08/18/2017 2100**

Status: **Active**

[Domestic](#)

!RDU 07/349 W95 AD AP CLSD TO TRANSIENT 1707281246-1708182100

RE: NOTAM for Hyde County

From: Stone, Clint 32 <Clint.Stone@tsa.dhs.gov>
To: Vollert, Kathy M <kmvollert@ncdot.gov>, Davis, Steve (NCEM) <Steve.Davis@ncdps.gov>
Cc: Davis, Oscar (NCEM) <Oscar.Davis@ncdps.gov>, Wendelgass, Tommy (ncem) <tommy.wendelgass@ncdps.gov>, Brown, Todd (NCEM) <Todd.Brown@ncdps.gov>, Bobbitt, Stacey (NCEM) <Stacey.Bobbitt@ncdps.gov>
Sent: July 28, 2017 3:06:06 PM EDT
Received: July 28, 2017 3:07:38 PM EDT

Thanks for the awareness on this.

Clint Stone, AFSD-LE

DHS/TSA/FAMS

RDU & Spoke Airports

(919) 337-9759 - Office

(919) 817-6409 - Cell

Clint.Stone@tsa.dhs.gov

From: Vollert, Kathy M [mailto:kmvollert@ncdot.gov]
Sent: Friday, July 28, 2017 2:15 PM
To: Davis, Steve (NCEM) <Steve.Davis@ncdps.gov>; Stone, Clint 32 <Clint.Stone@tsa.dhs.gov>
Cc: Davis, Oscar (NCEM) <Oscar.Davis@ncdps.gov>; Wendelgass, Tommy (ncem) <tommy.wendelgass@ncdps.gov>; Brown, Todd (NCEM) <Todd.Brown@ncdps.gov>; Bobbitt, Stacey (NCEM) <Stacey.Bobbitt@ncdps.gov>
Subject: RE: NOTAM for Hyde County

Thanks Steve.

I spoke with the Airport Project Manager in our office that has that area. The Park Service initiated the NOTAM and notes the airport is closed to transients.

Attached is a copy of the NOTA posted on the FAA site.

kmv

Kathryn M Vollert, PE

Aviation Program Engineer

Division of Aviation

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kmvollert@ncdot.gov

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Morrisville, NC 27560

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<<https://twitter.com/NCaviation>> <<https://www.instagram.com/ncaviation/>>

From: Davis, Steve [mailto:Steve.Davis@ncdps.gov]

Sent: Friday, July 28, 2017 11:58 AM

To: Vollert, Kathy M; Stone, Clint 32 (Clint.Stone@tsa.dhs.gov)

Cc: Davis, Oscar (NCEM); Wendelgass, Tommy (ncem); Brown, Todd (NCEM); Bobbitt, Stacey (NCEM)

Subject: NOTAM for Hyde County

Kathy,

Hey. FYI...NOTAM for Hyde County (see SPARTA sig event #170136, attached.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

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EMC transmission outage conference call

From: Steve.Davis@ncdps.gov
To: Mary.Sills@ncdps.gov
Sent: July 28, 2017 4:34:14 PM EDT
Received: July 28, 2017 4:34:17 PM EDT
Attachments: attachment.ics

Please call in: (919) 715-1909 at 10AM on Saturday, July 29th.

Thanks

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

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Attachment #1
attachment.ics

Please call in: (919) 715-1909 at 10AM on Saturday, July 29th.

Thanks

Steve

Steven F. Davis
Infrastructure Manager
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RE: Pic of what cut OBX power cable looks like....

From: Steve.Davis@ncdps.gov
To: Mike.Daniska@ncdps.gov
Sent: July 29, 2017 11:26:20 AM EDT
Received: July 29, 2017 11:26:21 AM EDT

Mike,

Yes. My number is [REDACTED].

Thanks,

Steve

Steven F. Davis
Infrastructure Manager
NC Department of Public Safety
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(919) 825-2309, Office
(919) 825-2428, NC Emergency Operations Center
Steve.Davis@ncdps.gov
www.ncdps.gov

"You have to go the way your blood beats.
If you don't live the only life you have,
you won't live some other life,
you won't live any life at all."
James Baldwin

From: Daniska, Mike
Sent: Saturday, July 29, 2017 11:05 AM
To: Davis, Steve
Subject: RE: Pic of what cut OBX power cable looks like....

Thank you Steve!

Is your mobile # still [REDACTED]? Just want to make sure I've got the right contact info in case I need to reach out for anything.

Mike

From: Davis, Steve
Sent: Saturday, July 29, 2017 11:03 AM
To: Daniska, Mike
Subject: RE: Pic of what cut OBX power cable looks like....

Mike,

Hey. Thanks for the picture. I updated the Infrastructure ESF board.

Thanks,

Steve

Steven F. Davis
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(919) 825-2428, NC Emergency Operations Center
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"You have to go the way your blood beats.
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you won't live some other life,
you won't live any life at all."
James Baldwin

From: Daniska, Mike
Sent: Saturday, July 29, 2017 10:21 AM
To: Wright, Joe; Brown, Todd; Davis, Oscar; Barnes, Brian; Sprayberry, Mike; Davis, Steve; Polk, Will
Subject: Pic of what cut OBX power cable looks like....

... via tideland emc twitter feed (attached)

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From: Steve.Davis@ncdps.gov
To: [REDACTED]
Cc: Kenneth.Waldroup@raleighnc.gov
Sent: July 29, 2017 4:19:16 PM EDT
Received: July 29, 2017 4:19:17 PM EDT

Johnny,

Hey. Can you give me a call when you get a chance about the redundancy information for the water system generators in Hyde and Dare.

[REDACTED]

Thanks.
Steve

Steven F. Davis
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(919) 825-2428, NC Emergency Operations Center
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www.ncdps.gov

"You have to go the way your blood beats.
If you don't live the only life you have,
you won't live some other life,
you won't live any life at all."
James Baldwin

RE: 4 pm

From: Steve.Davis@ncdps.gov
To: Glenn.Wisbey@ncdps.gov
Sent: July 30, 2017 4:40:30 PM EDT
Received: July 30, 2017 4:40:31 PM EDT

Glenn,

Hey. No unmet need tasked to Log. Working on notes now. That will update you. EMC have plan for additional generation in Dare and Hyde.

Thanks,
Steve

Steven F. Davis
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(919) 825-2428, NC Emergency Operations Center
Steve.Davis@ncdps.gov
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"You have to go the way your blood beats.
If you don't live the only life you have,
you won't live some other life,
you won't live any life at all."
James Baldwin

From: Wisbey, Glenn
Sent: Sunday, July 30, 2017 4:38 PM
To: Davis, Steve
Subject: 4 pm

Fell asleep. Was there any unmet needs or tasking to log?

Glenn Wisbey
Deputy Logistics Chief
NC Department of Public Safety
Division of Emergency Management
4236 Mail Service Center
Raleigh, NC 27699-4236
(919) 825-2294 desk
(919) 825-2684 fax
(919) 524-4014 cell
<http://www.ncdps.gov>
glenn.wisbey@ncdps.gov

Sent from my smartphone; apologies for the brevity.

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EMC transmission outage (Dare County/Hyde County) update—Tues, 10AM

From: Steve.Davis@ncdps.gov
To: Steve.Powers@ncdps.gov, Mike.Cook@ncdps.gov
Sent: August 1, 2017 3:14:15 PM EDT
Received: August 1, 2017 3:14:15 PM EDT

FYI...

Please see Electric Membership Corp's transmission outage (Dare County/Hyde County) update for, Tuesday, 8/1.

--Conference call (10AM) w/Electric Membership Corp: Lee Ragsdale, Nelle Hotchkiss, and Jay Rouse provide update on transmission outage—

Temporary generation

--Power stable on Hatteras Island—9 (2 MW) generator units operating

--Power stable on Ocracoke Island—2 (2 MW) generator units operating w/1 (1 MW) generator unit in reserve

--Estimate 35MW load between Hatteras Island and Ocracoke Island

--Generators not working in grid mode on Hatteras Island—6 of 9 (2 MW) generator units

--Plan to provide stable (33 MW) load for Hatteras Island in short timeframe

--Plan to supply generation for Hatteras Island—from Avon substation/sync generation with Buxton

--Crews install switch gear at Avon substation on Hatteras Island

--Crews repair generator unit (3MW) on Ocracoke Island by Thursday

--Power restoration on Hatteras Island not linked to power restoration on Ocracoke Island

--Power conservation measures in effect on Hatteras Island and Ocracoke

--Load and generator maintenance monitored around the clock on Hatteras Island and Ocracoke

Underground solution

--Crews excavate area to determine extent of damage to transmission cables

--Crews complete repair (splicing) of severed transmission cable

--Crews determine 2nd of 3rd transmission cable not damaged

--Crews find fault on 3rd underground transmission cable

--Crews unable to excavate 3rd transmission

--Crews build well and install pump to dewater trench for excavation

--Division of Emergency provide pumps or assistance if needed

--Crews ready to repair (splice) 3rd transmission cable upon excavation

--Crews carefully excavate site for 3rd transmission cable

Overhead solution

--Crews set poles—10-of-12—for overhead transmission line—begin wire, hardware, and insulation install

--Anticipate no environmental concern constructing overhead transmission line

--Estimate 6-to-10 day timeframe for full transmission to Hatteras Island and Ocracoke Island

Other

--Multiple options to resolve generation issue on Hatteras Island and Ocracoke Island

--Best option: permanent repair of transmission cables, or construction of overhead transmission line

--Additional option: temporary generation on Hatteras Island and Ocracoke Island

--Additional option: energize 2-of-3 underground transmission cables and 1 overhead transmission line (technical issues)

--Power restoration/repair operation dependent on weather conditions on Hatteras Island and Ocracoke Island

--Dare County advise visitor re-entry on Hatteras Island contingent upon stable load (33 MW) availability

--Dare County and Hyde County—no unmet need (return to economic normalcy as soon as possible)

--Hyde County collect economic loss data—host community event on Ocracoke Island

--State EOC not activated—key staff on call-back

--Conference call Monday, 8/02, at 4PM—(919) 715-1909

Call me if you have questions, or need additional information.

Thanks,

Steve

Steven F. Davis

Infrastructure Manager

NC Department of Public Safety

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